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Submitted to PPIG96 Abstract We evaluate a new **visual** programming system PrologSpace. The system **Cognitive Dimensions of PrologSpace** Lindsey Ford **visual** and textual dimensions, **visual** debugging, **cognitive** dimensions, and the problems of scale. We [www.dcs.ex.ac.uk/~lindsey/papers/cogdms.ps.gz](http://www.dcs.ex.ac.uk/~lindsey/papers/cogdms.ps.gz)

[Some Primitive Mechanisms of Spatial Attention - Zenon Pylyshyn \(1994\) \(Correct\) \(3 citations\)](#)

low-level mechanisms in vision which allow the **visual** system to simultaneously index items at multiple under the author's direction at the Center for **Cognitive Science**, University of Western Ontario. Much of write to the author at the Rutgers Center for **Cognitive Science**, Psychology Building, Busch Campus, [ruccs.rutgers.edu/pub/papers/cognit.ps](http://ruccs.rutgers.edu/pub/papers/cognit.ps)

[Relearning After Damage in Connectionist Networks: Toward a... - David Plaut \(1996\) \(Correct\) \(1 citation\)](#)

& Ellis, 1991 Farah, O'Reilly, Vecera, 1993) **visual** object naming (Gordon, 1982 Plaut & Shallice, of 2 The original network was trained with **momentum**, such that each weight change consists of the To appear in Brain and Language Special Issue on **Cognitive** Approaches to Rehabilitation and Recovery in [www.cnbc.cmu.edu/~plaut/papers/Plaut96BrLang.rehab.ps](http://www.cnbc.cmu.edu/~plaut/papers/Plaut96BrLang.rehab.ps)

[High-Speed Visual Estimation Using Preattentive Processing - Healey, Booth, Enns \(1994\) \(Correct\) \(6 citations\)](#)[High-Speed Visual Estimation Using Preattentive Processing](#)

is derived from principles arising in an area of **cognitive** psychology called preattentive processing. Key Words and Phrases: boundary detection, **cognitive** psychology, colour, estimation, icon, human [www.cs.ubc.ca/labs/imager/tr/ps/healey.1993a.ps.gz](http://www.cs.ubc.ca/labs/imager/tr/ps/healey.1993a.ps.gz)

[Systematicity and Specialization in Semantics: A Computational ... - Sean McGuire \(1997\) \(Correct\)](#)

patients are selectively impaired at naming **visually** presented objects but demonstrate relative a learning rate of 0.1 and no weight decay or **momentum**. If an output unit was within 0.1 of its target, Proceedings of the 19th Annual Conference of the **Cognitive Science Society**, Stanford, CA, August, 1997. [www.cnbc.cmu.edu/~plaut/papers/ps/McGuirePlaut97CogSci.opticAphasia.ps](http://www.cnbc.cmu.edu/~plaut/papers/ps/McGuirePlaut97CogSci.opticAphasia.ps)

[On the Computational Utility of Consciousness - Mathis, Mozer \(1995\) \(Correct\) \(4 citations\)](#)

coarse level and to implement processes such as **visual** object recognition, **visual** word-form recognition, Department of Computer Science and Institute of **Cognitive Science** University of Colorado, Boulder but instead ask what differences exist within the **cognitive** information processing system when a person is [ftp.cs.colorado.edu/users/mozer/papers/computil.ps](http://ftp.cs.colorado.edu/users/mozer/papers/computil.ps)

[On the Momentum Term in Gradient Descent Learning Algorithms - Ning Qian \(1999\) \(Correct\) \(1 citation\)](#)

To appear in Neural Networks On the **Momentum** Term in Gradient Descent Learning Algorithms [brahms.cpmc.columbia.edu/publications/momentum.ps.Z](http://brahms.cpmc.columbia.edu/publications/momentum.ps.Z)

[Thesis Statement and Research Plan - Thesis Title \(Correct\)](#)

Plan Thesis title: On-line Estimation of **Visual-Motor** Models for Robot Control and **Visual** [ftp.cs.rochester.edu/pub/u/jag/researchStatement.ps.gz](http://ftp.cs.rochester.edu/pub/u/jag/researchStatement.ps.gz)

[The Measurement of the Mass of the W Boson from the Tevatron - Randy Thurman-Keup \(Correct\)](#)

mass of the W. One could infer the neutrino 3-**momentum** by requiring **momentum** conservation in the event [www-cdf.fnal.gov/physics/conf98/cdf4676\\_wmass\\_sanjuan98.ps](http://www-cdf.fnal.gov/physics/conf98/cdf4676_wmass_sanjuan98.ps)

[A Modular Low-Cost Active Vision Head - Fellenz, Hartmann \(Correct\)](#)

systems share mechanisms which allow to accomplish **visual** tasks by varying view parameters like direction kinematic control Multiple frames of reference **Cognitive** and expectation driven Control representation



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[Evaluating Knowledge and Representation for Intelligent Control - Elena Messina John](#) (Correct)

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[www.isd.mel.nist.gov/documents/messina/EvaluatingKR4.pdf](http://www.isd.mel.nist.gov/documents/messina/EvaluatingKR4.pdf)

[Query Answering by Means of Diagram Transformation - Agustí, Puigsegr, Schorlemmer \(1998\)](#) (Correct)  
(1 citation)

Query Answering by Means of Diagram Transformation Jaume

[www.lila.csic.es/~jpf/Publ/FQAS98.ps.gz](http://www.lila.csic.es/~jpf/Publ/FQAS98.ps.gz)

[Evolutionary Stability in the N-Person Iterated Prisoner's Dilemma - Yao](#) (Correct)

University College, The University of New South Wales Australian Defence Force Academy Canberra, ACT,

[www.cs.adfa.oz.au/pub/xin/biosystems.ps.Z](http://www.cs.adfa.oz.au/pub/xin/biosystems.ps.Z)

[Cortical Functionality Emergence: General Theory Quantitative.. - Carmesin \(1996\)](#) (Correct)

Dynamics, vol. I, chapt. 18, 215-233, London: Gordon and Breach, 1996. Abstract: The human genotype

[schoner.physik.uni-bremen.de/~carmesin/docs/Gordon.ps](http://schoner.physik.uni-bremen.de/~carmesin/docs/Gordon.ps)

[Preliminary Investigations into Interactive Classification in .. - Patel-Schneider](#) (Correct)

F. Patel-Schneider Bell Labs Research 600 Mountain Avenue Murray Hill, New Jersey U. S. A. 07974-0636

[www.lri.fr/~mcr/ps/pfps.ps.gz](http://www.lri.fr/~mcr/ps/pfps.ps.gz)

[Multidimensional Inequality Measurement: A Proposal - List \(1999\)](#) (Correct)

Multidimensional Inequality Measurement: A Proposal 1 Christian List Nuffield College Oxford

[www.nuff.ox.ac.uk/economics/Papers/1999/w27/inequality.pdf](http://www.nuff.ox.ac.uk/economics/Papers/1999/w27/inequality.pdf)

[Annealed Theories Of Learning - Seung Att \(1995\)](#) (Correct) (7 citations)

Annealed Theories Of Learning H. S. Seung At&t Bell

[www.bell-labs.com/user/seung/papers/annealed.ps.gz](http://www.bell-labs.com/user/seung/papers/annealed.ps.gz)

[Integer Programming and Arrovian Social Welfare Functions - Sethuraman, Piaw, Vohra](#) (Correct)

@keyGinsilent[1 Integer Programming and Arrovian Social Welfare Functions Jay Sethuraman

[www.kellogg.nwu.edu/faculty/vohra/ftp/ar.pdf](http://www.kellogg.nwu.edu/faculty/vohra/ftp/ar.pdf)

[SCI Test Equipment Requirement Specification - Partner Trinity College](#) (Correct)

Specification Partner: Trinity College Dublin Author(s)B.A.Coghlan, B.O.Bakka, I.Birekli,

[www.cs.tcd.ie/coghlan/scieuro/deliver1v1.pdf](http://www.cs.tcd.ie/coghlan/scieuro/deliver1v1.pdf)

[A Morphology-System and Part-of-Speech Tagger for German - Lezius, Rapp, Wettler \(1996\)](#) (Correct)  
(1 citation)

A Morphology-System and Part-of-Speech Tagger for

[www-psycho.uni-paderborn.de/lezius/paper/konvens.ps](http://www-psycho.uni-paderborn.de/lezius/paper/konvens.ps)

[IEEE November 10 - 13, 1999 San Juan, Puerto Rico - Evaluating The Undergraduate](#) (Correct)

November 10 -13, 1999 San Juan, Puerto Rico 29 th ASEE/IEEE Frontiers in Education Conference 13c7-6

[fie.engrng.pitt.edu/fie99/papers/1569d.pdf](http://fie.engrng.pitt.edu/fie99/papers/1569d.pdf)

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[www.dacs.dtic.mil/techs/handbook/handbook.pdf](http://www.dacs.dtic.mil/techs/handbook/handbook.pdf)

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D.D. Woods. *Visual Momentum: a Concept to Improve the Cognitive Coupling of Person and Computer*. Int'l J. Man-Machine Studies, vol. 21, pages 229-244, 1984.

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[Comparing ExoVis, Orientation Icon, and In-Place 3D Visualization - Techniques](#) (Correct)

....not cut apart or otherwise deformed. Relationship among views is clear. It is easy to understand relative positions orientations subvolumes or slices. Visual cues include connecting lines, visual landmarks, overlap between views, colour, etc. In other words, there is visual momentum [19]. Figure 5: Visualization of a fuel cell. The overview shows an isosurface of temperature. Two copies of a slice show concentrations of hydrogen (plane closest to overview) and oxygen (furthest from overview) The colour scale shows increasing concentration from green to blue (light to dark in ....

D.D. Woods. *Visual Momentum: a Concept to Improve the Cognitive Coupling of Person and Computer*. Int'l J. Man-Machine Studies, vol. 21, pages 229-244, 1984.

[Enhancing Information Visualization with Motion - By Linda Ruth \(2001\)](#) (Correct)

.... perceptual field over which we have a restricted range of foci and emphasises the need for perceptually efficient orienting cues to alert the user to the fact that something interesting is going on another part of the perceptual field without unduly grabbing attention from the current task focus (Woods 1984). 1.2 Integrating scattered information An important issue in visualization environments is the visual fragmentation caused by multiple views of related information distributed across representations, windows and even screens. The challenge is to visually support the user in the information ....

....crowded display, indeed which may include several different windows, and across which the user has to find various related pieces. Display proliferation imposes significant burdens in mental integration and the assembling of information for problem solving across disparate displays and surfaces (Woods 1984, Bainbridge 1991, Ware 2000) Our previous work with a multi screen interface identified the need for integrative cues to perceptually connect data in disparate displays (Bartram et al. 1995) It is common for users to inspect various views of data in different contexts as part of monitoring, ....

[Article contains additional citation context not shown here]

WOODS, D. 1984 *Visual momentum: a concept to improve the cognitive coupling of person and computer*. International Journal of Man-Machine Studies, 229-244.

[Cognitive Engineering: Issues in User-Centered System Design - Roth, Patterson, Mumaw](#) (Correct)

....information processing characteristics into principles and techniques for human computer interface design. More specific examples are developing principles for graphic display design that capitalize on human perceptual characteristics (Cleveland, 1985; Sanderson, Haskell, and Flach, 1992; Woods, 1984), developing models of human performance that enable explicit consideration of human memory and attention processing constraints in system design (Card, Moran, and Newell, 1983; Kieras and Polson, 1985) and developing principles for the design of error tolerant systems